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Form PTO-1595

(Rev. 10/02)

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U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Leonid N. Grigorov
Andrey Krayev
Raisa V. Talroze

7.14.03

2. Name and address of receiving party(ies)

Name: Quantum Polymer Technologies, Inc.

Internal Address: _____

Street Address: 3573 Westwind Blvd.

City: Santa Rosa State: CA Zip: 95403

Additional name(s) of conveying party(ies) attached? ☐ Yes ☐ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: July 18, 2002

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s) 10/056,536

B. Patent No.(s) _____

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Sheldon R. Meyer

Internal Address: _____

Street Address: Fliesler Dubb Meyer & Lovejoy
4 Embarcadero Center, Fourth Floor

City: San Francisco State: CA Zip: 94111-4156

6. Total number of applications and patents involved: ☐

7. Total fee (37 CFR 3.41).....\$ 40.00

- ☒ Enclosed
☐ Authorized to be charged to deposit account

8. Deposit account number: _____

FINANCE SECTION

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9. Signature.

D. Benjamin Borson

Name of Person Signing

Signature

March 14, 2003

Date

Registration No.: 42,349 Total number of pages including cover sheet, attachments, and documents: 4

Mail documents to be recorded with required cover sheet information to:
 Commissioner of Patents & Trademarks, Box Assignments
 Washington, D.C. 20231

Attorney Docket No.: QPTC-1004US0 DBB/SRM

PATENT

REEL: 014258 FRAME: 0339

JOINT TO CORPORATE ASSIGNMENT

WHEREAS, the undersigned Inventors:

- (1) Leonid N. Grigorov, Ph.D., Sc.D.
a resident of 210 Butterfield Drive, Novato, CA 94945; and
- (2) Andrey Krayev
a resident of 2290 Bethards Drive, Apt. 19, Santa Rosa, CA 95405; and
- (3) Raisa V. Talroze, Ph.D., Sc.D.
a resident of 210 Butterfield Drive, Novato, CA 94945.

have invented certain new and useful improvements in:

QUANTUM DEVICES BASED ON CRYSTALLIZED ELECTRON PAIRS AND
METHODS FOR THEIR MANUFACTURE AND USE

and have executed a declaration or oath for an application for a United States patent disclosing and identifying the invention.

WHEREAS Quantum Polymer Technologies, Inc. (hereinafter termed "Assignee"), a corporation of the State of Delaware, having a place of business at 2035 Bent Tree Place, Santa Rosa, California 95404, wishes to acquire the entire right, title and interest in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered jointly or severally by said Inventors (all collectively hereinafter termed "said invention"), and in and to any and all patents, certificates of invention and other forms of protection thereon (hereinafter termed "patents") applied for or granted in the United States and/or other countries.

NOW THEREFORE, for good and valuable consideration acknowledged by each of said Inventors to have been received in full from said Assignee:

1. Said Inventors do hereby sell, assign, transfer and convey to said Assignee, the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply in any or all countries of the world for patents, certificates of inventions or other governmental grants on said invention, including the right to apply for patents pursuant to the International Convention for the Protection of Industrial Property or pursuant to any other convention, treaty, agreement or understanding; (c) in and to any and all applications filed and any and all patents, certificates of inventions or other governmental grants granted on said invention in the United States or any other country, including each and every application filed and each and every patent granted on any application which is a division, substitution, or continuation of any of said applications; (d) in and to each and every reissue or extension of any of said patents; and (e) in and to each and every patent claim resulting from a reexamination certificate for any and all of said patents.

2. Said Inventors hereby jointly and severally covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and other countries. Such cooperation by said Inventors shall include prompt production of pertinent facts and documents, giving of testimony, executing of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a)

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for perfecting in said Assignee the right, title and interest herein conveyed; (b) for complying with any duty of disclosure; (c) for prosecuting any of said applications; (d) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (e) for filing and prosecuting applications for reissue of any of said patents; (f) for interference or other priority proceedings involving said invention; and (g) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, reexamination proceedings, compulsory licensing proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventors in providing such cooperation shall be paid for by said Assignee.

3. The terms and covenants of this Assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventors, their respective heirs, legal representatives and assigns.

4. Said Inventors hereby jointly and severally warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, the said Inventors have executed this instrument on the date of acknowledgement before the Notary Public as given below and delivered this instrument to said Assignee:

Said application having SC/Serial Number 10,056,536 and filed on January 22, 2002.

(1) _____

Leonid M. Grigorov, Ph.D., Sc.D.

State of _____

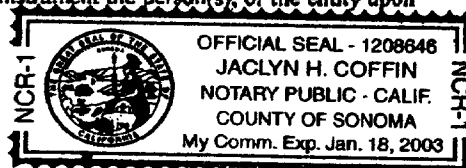
County of _____

On July 18, 2002 before me, Jaclyn H. Coffin, Notary Public
(name and title of officer)

personally appeared Leonid M. Grigorov personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Signature _____



Said application having SC/Serial Number 10,056,536 and filed on January 22, 2002.

(2)

Andrey Krayev

State of

CALIFORNIA

County of

SONOMA

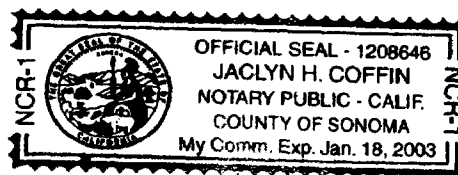
On JULY 18, 2002 before me, JACLYN H. COFFIN, Notary Public
 (name and title of officer)

personally appeared Andrey Krayev, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Signature

Jaclyn H. Coffin



Said application having SC/Serial Number 10,056,536 and filed on January 22, 2002.

(3)

Raisa V. Talroze, Ph.D., Sc.D.

State of

California

County of

YOLO

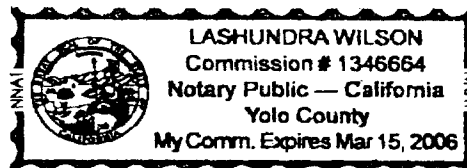
On 7-18-02 before me, Lashundra Wilson, notary public
 (name and title of officer)

personally appeared Raisa V. Talroze, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Signature

Lashundra Wilson



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